		<u></u>	
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER H04B1/69		-
According to	o International Patent Classification (IPC) or to both national classification	ation and IPC	
B. FIELDS	SEARCHED		
Minimum do IPC 7	cumentation searched (classification system followed by classification $H04B$	on symbols)	
Documentat	ion searched other than minimum documentation to the extent that s	uch documents are included in the fields so	earched
Electronic d	ata base consulted during the international search (name of data bas	se and, where practical, search terms used)
PAJ, C	OMPENDEX, EPO-Internal, INSPEC		
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.
A	PETRAGLIA A ET AL: "HIGH-SPEED A CONVERSION INCORPORATING A QMF BA IEEE TRANSACTIONS ON INSTRUMENTAT	NK"	1-11
	MEASUREMENT, IEEE INC. NEW YORK, vol. 41, no. 3, 1 June 1992 (1992 pages 427-431, XP000307987 ISSN: 0018-9456 paragraph '00II!; figure 1	US,	
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X Furt	her documents are listed in the continuation of box C.	Patent family members are listed	in annex.
° Special ca	ategories of cited documents :	*T* later document published after the later	ernational filing data
consid	A* document defining the general state of the art which is not considered to be of particular relevance *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		the application but
E earlier document but published on or after the international filing date *X* document of particular relevance; the claimed invecannot be considered novel or cannot be considered.			
which citatio	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified)	involve an inventive step when the do "Y" document of particular relevance; the cannot be considered to involve an in	ocument is taken alone claimed invention eventive step when the
other	ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filling date but han the priority date claimed	document is combined with one or m ments, such combination being obvio in the art. '&' document member of the same patent	us to a person skilled
	actual completion of the international search	Date of mailing of the international se	
	7 September 2003	06/10/2003	•
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
;	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bauer, F	

		PCT/IB 03/02599	
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT			
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
	WON NAMGOONG: "A channelized DSSS ultra-wideband receiver" PROCEEDINGS RAWCON 2001. 2001 IEEE RADIO AND WIRELESS CONFERENCE (CAT.NO.01EX514), PROCEEDINGS RAWCON 2001. 2001 IEEE RADIO AND WIRELESS CONFERENCE, WALTHAM, MA, USA, 19-22 AUG. 2001, pages 105-108, XP002254723 2001, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-7189-5 cited in the application paragraph '0002!; figure 2	1-11	